

AMENDMENTS TO THE SPECIFICATION

Please replace Paragraph [0001] with the following paragraph rewritten in amendment format:

[0001] The invention relates to an interface between two parts of a tool system, in particular a metalworking tool ~~in accordance with the preamble of claim 1.~~

Please replace Paragraph [0004] with the following paragraph rewritten in amendment format:

[0004] To achieve this object, an interface is proposed ~~which has the features named in claim 1. The interface which~~ that comprises, for example, a holder and a replaceable head, ~~has~~ having a clamping device with a pull stud and an eccentric cam coating with it. Preferably the pull stud is located in the replaceable head and the eccentric cam in the holder, where the pull stud represents a continuation of an extension of the replaceable head. When the eccentric cam is actuated, the pull stud is shifted in an axial direction, that is, along the center axis of the interface so that the holder and the replaceable head can be clamped together. The eccentric cam is accessible through a peripheral surface of the parts of the tool system that are connected in the area of the interface. So it is no longer necessary to operate the clamping fixture from the front of one part or from the side of a part facing away from the front. It is possible to produce tools with a closed end face. It is additionally no longer necessary to remove a tool equipped with an interface of this type from a dedicated bracket on a machine tool or to dismantle it to operate the clamping fixture.

Please delete Paragraph [0005] without prejudice to or disclaimer of the subject matter contained therein.

Please replace Paragraph [0018] with the following paragraph rewritten in amendment format:

[0018] The replaceable head 5 has at least one, here six cutters 11 evenly spaced in the circumferential direction which have blades with cutting edges 15 extending beyond the peripheral surface 15 13 of the replaceable head 5. The cutters 11 can be brazed into the main body of the replaceable head 5 or be fastened in another way, for example, with clamping claws. It is also possible to manufacture the knife head from one piece and to grind the blades into its main body, as is the case with a router bit.

Please replace Paragraph [0020] with the following paragraph rewritten in amendment format:

[0020] The peripheral surface 13 of the replaceable head 5 continues in this embodiment in the peripheral surface 17 of the holder 13 3 so that no step is formed in the area of the line 7. The replaceable head 5 here forms the axial continuation of the holder 5 3.

Please replace Paragraph [0021] with the following paragraph rewritten in amendment format:

[0021] A clamping device 19 is set into the peripheral surface ~~43~~ 17 of the holder 3, comprising an eccentric cam 21 which is secured by a safety element 23 retained by a screw 22 in such a way that it cannot fall out of the holder.

Please replace Paragraph [0023] with the following paragraph rewritten in amendment format:

[0023] The holder 3 has a recess 31 introduced into its end face 29 which an extension 33 of the replaceable head 5, preferably configured as a short taper, engages. With this type of design for the extension 33, the inner surface of the recess 31 is similarly conical in configuration, a female taper. The male taper surface of the extension 33 and the female taper surface of the recess 31 are matched to each other in such a way that when the holder 3 and the replaceable head 5 are clamped together, a self-locking effect is achieved.

Please replace Paragraph [0028] with the following paragraph rewritten in amendment format:

[0028] With the interface in the assembled state, the boss 43 is spaced at a distance from the annular surface 37 such that the clamping device 19 can coact with the boss ~~45~~ 43, which will be discussed more fully in what follows. Correspondingly, the clamping device 19 is positioned at a distance from the annular surface 35 such that it can coact with the boss ~~35~~ 43 on the pull stud 41.

Please replace Paragraph [0032] with the following paragraph rewritten in amendment format:

[0032] With the metalworking tool 1 in its assembled state, the boss 43 engages the hollow space 49 of the eccentric cam 21 so that it cannot fall out of the hole 55. In the disassembled state, the eccentric cam 21 is retained by means of the ~~locking~~ safety element 23 in the main body of the holder 3. The safety element is inserted into an elongated recess ~~58~~ 57 in the peripheral surface 17 of the holder 3 and overlaps a stepped-back area 57 of the end face 52 of the eccentric cam 21.

Please replace Paragraph [0037] with the following paragraph rewritten in amendment format:

[0037] It can be seen furthermore from FIG. 2 that the number of coolant ducts, the openings 59 of which are visible in the area of the annular surface 35, is preferably matched to the number of cutters 11 in the ~~tool~~ replaceable head 5 so that each blade can be optimally cooled. At the same time, good chip removal is ensured. In the embodiment shown here, six cutters 11 and six openings 59 are shown through which the coolant can be taken to six exit ports. Correspondingly more or fewer coolant ducts are provided when more or fewer cutters are used.

Please replace Paragraph [0040] with the following paragraph rewritten in amendment format:

[0040] On the right, adjoining the first clamping surface 45, is a cylindrical area 65; the outside diameter of which is smaller than the outside diameter of the boss 43. The first clamping surface 45 runs between the outermost outside point of the boss 43 to the cylindrical area 65.

Please replace Paragraph [0042] with the following paragraph rewritten in amendment format:

[0042] Adjoining on the right, thus at a greater distance from the boss 43, there is a threaded area 69 68 with an external thread which coacts with an internal thread in the extension 33 of the replaceable head 5 and serves to anchor the pull stud in the extension 33.

Please replace Paragraph [0047] with the following paragraph rewritten in amendment format:

[0047] The drawing from FIG. 4 also shows an additional area on the inner surface of the cavity, an ejector surface 80 81.

Please replace Paragraph [0049] with the following paragraph rewritten in amendment format:

[0049] The sectional drawing shows the hollow space 49 in the interior of the eccentric cam 21 which is accessible through the hole 81. The second clamping surface 78 can be seen in the sectional drawing. It can also be seen that the wall 79 between outer surface 47 and hollow space 49 is thinner in area A than in area B so that the spacing of the second clamping surface 48 78 at the top in area A (in the fourth quadrant) is greater than the spacing of the second clamping surface 48 78 in area B (in the third quadrant).

Please replace Paragraph [0052] with the following paragraph rewritten in amendment format:

[0052] With a counter-clockwise rotational movement of the eccentric cam 21, the second clamping surface 78 is shifted outward relative to the axis of rotation 73, so that the tractive forces on the pull stud 41 are reduced. Finally the ejector surface 80 81 of the eccentric cam 21 pushes on the ejector surface 63 of the pull stud 41 and pushes it radially outward away from the axis of rotation 73 so that, in this operating position of the eccentric cam 21, the pull stud 41, and with it the extension 33 of the replaceable head 5, is pressed out of the recess 31 in the holder 3. This cancels the self-locking action in the connecting area between extension 33 and the wall of the recess 31 so that the replaceable head can be removed without difficulty from the holder 3.

Please replace Paragraph [0053] with the following paragraph rewritten in amendment format:

[0053] FIG. 6 shows a section of the holder 3 and the installed clamping device 19 in perpendicular plan view. The eccentric cam 21 is clearly visible inserted into a hole 55. The recess 51 with its actuating surfaces 53 can also be seen introduced into the end face 52. The set-back area 57 on which the ~~locking~~ safety element 23 lies can also be seen. The rotational movement of the eccentric cam 21 is restricted by the two limiting surfaces 75 and 77.

Please replace Paragraph [0057] with the following paragraph rewritten in amendment format:

[0057] In FIG. 7, the eccentric cam 21 is shown again in cross-section so that in this regard reference is made to the explanations for FIG. 5. In the drawing in accordance with FIG. 7, the replaceable head 5 is merely inserted into the holder 3, when the boss 43 of the pull stud 41 projects through the hole 69 into the hollow space 49 of the eccentric cam 21 and the ejector surface 63 of the boss 43 abuts the ejector surface 80 81 of the hollow space 49.

Please replace Paragraph [0063] with the following paragraph rewritten in amendment format:

[0063] From the drawings in accordance with FIGS. 7 and 8, it is again clear that the depth to which the boss 43 penetrates into the holder 3 must be matched exactly to the position of the eccentric cam 21 and the appropriate clamping surfaces. Exact positioning of the pull stud 41 in the extension 33 of the replaceable head 5 is ensured by the stop ring 67 on the pull stud 41.